



AGENDA MEMORANDUM

Action Item for the City Council Meeting of July 25, 2023

DATE: July 25, 2023

TO: Peter Zanoni, City Manager

FROM: Wesley Nebgen, Director of Water System Infrastructure
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Micro-Solve for Wastewater Treatment Plants

CAPTION:

Resolution authorizing a two-year supply agreement with EGSW, LLC, of San Antonio in an amount not to exceed \$541,300.00, for the purchase of Micro-Solve, a preventative grease and odor solution utilized at Wastewater Treatment Plants and Lift Stations, with FY 2023 funding in the amount of \$90,217.00 from the FY 2023 Wastewater Fund.

SUMMARY:

This agreement will provide an odor control solution for the CCW Wastewater Treatment Plants and Lift Stations. Micro-solve has proven effective at mitigating and controlling the odors caused by fats, grease, oil accumulation, and buildup within the wastewater system.

BACKGROUND AND FINDINGS:

Wastewater collection and treatment system readily produces foul odors from the anaerobic decomposition of organic compounds during raw sewage conveyance and treatment. These odors negatively affect the health of residents.

In recent years, the Corpus Christi Water (CCW) has been striving to eliminate the odors and create good neighborhoods for the residents. Our efforts include installing odor control units at WWTPs and major lift stations, routine cleaning of sewer lines and lift stations, implementing pretreatment program for industrial and commercial users, and adding chemicals to degrade the greases in the wastewater system.

Micro-Solve is a biodegradable, uniquely formulated blend of organic ingredients specifically designed to accelerate bacterial growth in the raw sewage, to refrain from the production of foul odors. It has been proved effective and used at several wastewater treatment plants and lift stations for odor control.

PROCUREMENT DETAIL:

This is a sole source purchase. EGSW, LLC is the sole provider for Micro-Solve and has been supplying the chemical to the City since 2021. The contract amount in this supply contract is 6% higher than in 2021.

ALTERNATIVES:

An alternative is to not enter into a service agreement, which would require separate procurements on an as-needed basis.

FISCAL IMPACT:

The fiscal impact for FY 2023 is \$90,217.00.

FUNDING DETAIL:

| | | |
|------------------------|--------|---------------------------|
| Fund: | 4200 | Wastewater |
| Organization/Activity: | 33100 | Broadway Wastewater Plant |
| Department: | 46 | Wastewater |
| Project # (CIP Only): | N/A | |
| Account: | 520010 | Purification chemicals |

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|------------------------|--------|------------------------|
| Fund: | 4200 | Wastewater |
| Organization/Activity: | 33110 | Oso Wastewater Plant |
| Department: | 46 | Wastewater |
| Project # (CIP Only): | N/A | |
| Account: | 520010 | Purification chemicals |

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|------------------------|--------|----------------------------|
| Fund: | 4200 | Wastewater |
| Organization/Activity: | 33120 | Greenwood Wastewater Plant |
| Department: | 46 | Wastewater |
| Project # (CIP Only): | N/A | |
| Account: | 520010 | Purification chemicals |

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|------------------------|--------|--------------------------|
| Fund: | 4200 | Wastewater |
| Organization/Activity: | 33130 | Allison Wastewater Plant |
| Department: | 46 | Wastewater |
| Project # (CIP Only): | N/A | |
| Account: | 520010 | Purification chemicals |

RECOMMENDATION:

Staff recommends approval of this resolution authorizing a two-year supply agreement with EGSW LLC, for Micro-Solve for Wastewater Treatment Plants as presented.

LIST OF SUPPORTING DOCUMENTS:

Supply Agreement
Resolution